—*Standard Valves*—

4101-D, -E AND -G VALVES

TRIODES.

The 4101-D, -E, -G valves have similar characteristics. The 4101-E valve has the filament designed to reduce sputter noise.

The 4101-G is similar to 4101-E but has the anode lead brought out through the stem to increase the grid–anode insulation.

SPECIFICATION.

Cathode.

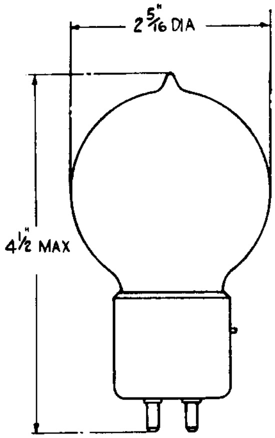
Oxide coated filament.
Constant current type.

Base.

Medium 4-pin bayonet thrust.

Dimensions.

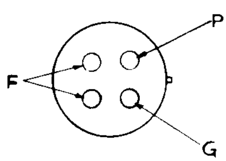
Max. overall length	4½″ (11·2 cms.)
Bulb diameter	2$\frac{5}{16}$″ (5·9 cms.)
Net weight	0·14 lbs. (65 gms.)



Constants.

Filament current	1·0 amps.
Nominal filament voltage	4·5 volts
*Impedance	5,600 ohms
*Amplification factor	6
*Mutual conductance	1·07 mA. per volt
Anode–grid capacity	6·0 μμF.
Anode–filament capacity	4·5 μμF.
Grid–filament capacity	5·5 μμF.

* *at* $V_p = 130$ *volts,* $V_{g1} = -9$ *volts.*



LIMITING CONDITIONS FOR SAFE OPERATION.

Maximum direct anode voltage	190 volts
Maximum direct anode current	12 mA.

V.4101-DEG.1
Sept. 1938

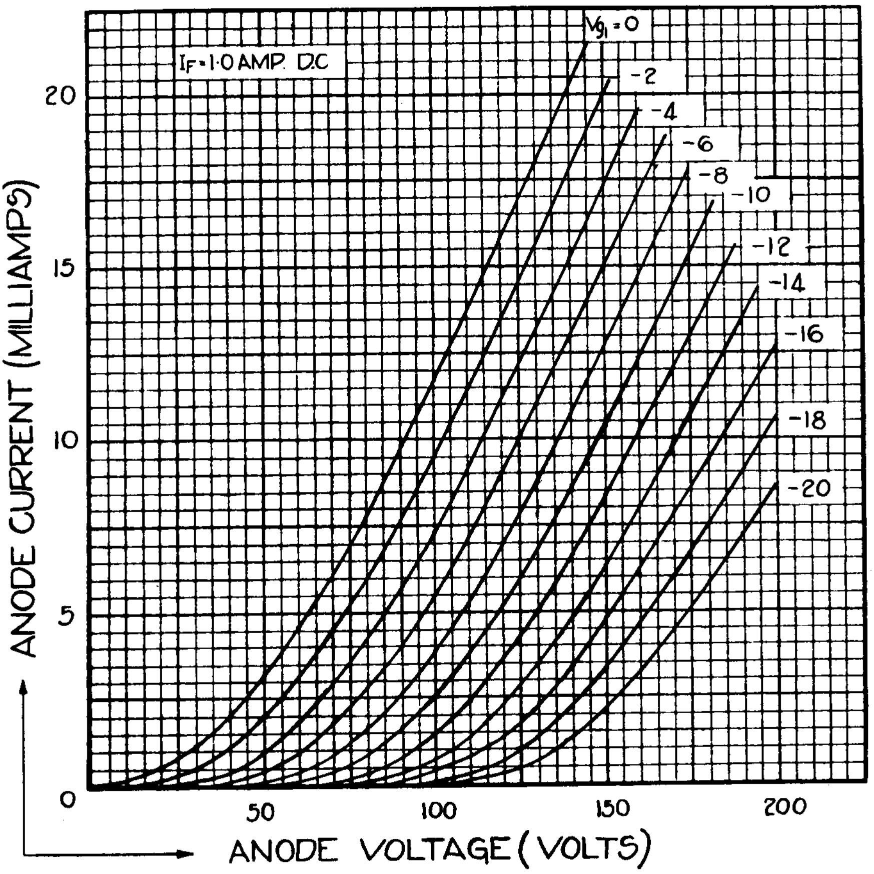
—Standard Valves—

TYPICAL OPERATING CONDITIONS.

							*			*	*	*
Anode voltage	volts	100	100	130	130	130	160	160	160	190	190	190
Grid bias	volts	—4	—6	—6	—9	—12	—10	—12	—16	—16	—18	—20
Anode current	mA.	7·3	5·5	11·1	7·8	5·0	12·3	10·1	6·3	11	9·0	7·2
Amplification factor		6·1	6·0	6·1	6·0	5·9	6·1	6·0	5·9	6·0	5·9	5·9
Impedance Z_o	ohms	5,500	6,200	4,900	5,700	7,000	4,700	5,200	6,600	5,100	5,600	6,300
For load impedance $Z = Z_o$												
Output	mW.	14	26	35	65	90	100	130	175	235	265	285
2nd harmonic	db	33	27	32	26	21	29	25	19	24	21	19
For load impedance $Z = 2Z_o$												
Output	mW.	12	24	30	60	80	90	115	155	210	235	250
2nd harmonics	db	38	32	38	31	26	34	30	25	29	26	24

* Maximum operating conditions.

PRINTED IN ENGLAND


Vg1 = 0
-2
-4
-6
-8
-10
-12
-14
-16
-18
-20
IF = 1·0 AMP. D.C
20
15
10
5
0
50
100
150
200
ANODE CURRENT (MILLIAMPS)
ANODE VOLTAGE (VOLTS)

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